

Title (en)
USE OF POLYCARBOXYLATE ETHERS WITH BRANCHED SIDE CHAINS AS DISPERSANTS FOR INORGANIC BINDERS

Title (de)
VERWENDUNG VON POLYCARBOXYLATETHERN MIT VERZWEIGTEN SEITENKETTEN ALS DISPERGIERMITTEL FÜR ANORGANISCHE BINDEMITTEL

Title (fr)
UTILISATION DE POLYCARBOXYLATÉTHERS À CHAÎNES LATÉRALES RAMIFIÉES COMME DISPERSANTS POUR LIANTS INORGANQUES

Publication
EP 2964586 B1 20161012 (EN)

Application
EP 14702589 A 20140204

Priority

- EP 13158019 A 20130306
- EP 2014052085 W 20140204
- EP 14702589 A 20140204

Abstract (en)
[origin: EP2774899A1] Use of a copolymer comprising, as comonomers in copolymerized form, (A) at least one ethylenically unsaturated acid monomer, and (B) at least one ethylenically unsaturated, branched polyether macromonomer (I), for dispersing inorganic binders, is claimed. Use of a copolymer comprising, as comonomers in copolymerized form, (A) at least one ethylenically unsaturated acid monomer, and (B) at least one ethylenically unsaturated, branched polyether macromonomer of formula (E-V1kL(K+1)) (I), for dispersing inorganic binders, is claimed. E : ethylenically unsaturated structural unit having at least one ether, carboxylic acid esters or carboxamide structural unit; V1 : branched structural unit of formula (-CH(CH2O-)2); L : linear structural unit of formula (-[A1O]l-A2>); A1 : 2-10C-alkylene, preferably -C2H4-, 6-10C-arylene or 7-10C-aralkylene; A2 : 1-30C-alkyl, preferably 1-4C alkyl, 3-10C-cycloalkyl, 6-30C-aryl or 7-30C-aralkyl; k : 1-7, preferably 1-3; and l : 1-350, preferably 7-17.

IPC 8 full level
C04B 24/26 (2006.01); **C08F 220/28** (2006.01); **C04B 103/40** (2006.01)

CPC (source: EP US)
C04B 24/2647 (2013.01 - EP US); **C04B 24/267** (2013.01 - EP); **C04B 2103/408** (2013.01 - EP); **C08F 220/20** (2013.01 - EP); **Y02W 30/91** (2015.05 - EP)

Cited by
EP3828154A1; EP3828153A1; WO2021105187A1; WO2021105188A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2774899 A1 20140910; CA 2903617 A1 20140912; CA 2903617 C 20210427; EP 2964586 A1 20160113; EP 2964586 B1 20161012; ES 2610382 T3 20170427; JP 2016510081 A 20160404; JP 6407171 B2 20181017; WO 2014135318 A1 20140912

DOCDB simple family (application)
EP 13158019 A 20130306; CA 2903617 A 20140204; EP 14702589 A 20140204; EP 2014052085 W 20140204; ES 14702589 T 20140204; JP 2015560597 A 20140204